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NEW COMBINES. OTHER COAL MINING MACHINERY

MACHINES ARE EXPORTED, PUT INTO FOREIGN PRODUCTION -- Moscow, Izvestiya,
 28 Aug 52

The coal combine is now the basic product of the Gorlovka Plant imeni Kirov. Almost one fourth of the coal obtained from the Donets basin is extracted by the Donbass combine. These combines are in operation not only in the Donets basin, but also in the Kuznets, Podmoskovnyi, and Karaganda basins, as well as in mines of the far eastern regions of the USSR. The plant has sent dozens of /Donbass/ machines to the miners of Poland, Czechoslovakia, Rumania, Hungary, Bulgaria, and China. Polish machine builders, furnished with models and plans from the plant, have succeeded in establishing production of the combines in some of their own enterprises.

The plant is preparing to put out a new group of KKP-1 combines, incorporating some of the improvements suggested by experience. Other important combines which the plant produces are the Gornyak, the UKGM-1, and UKT-1, the last model recently having been improved.

Workers in the plant's experimental shop are developing a new combine designed to extract coal and rock separately from interstratified seams.

Kiev, Pravda Ukrainy, 13 Sep 52

The Gorlovka Machine Building Plant imeni Kirov met its year plan for production of Donbass combines and their spare parts in August.

Before the end of the year the plant is to establish production of several improved machines. A great deal of work has been done to improve the design of the GTK-35 thin-seam cutting machine. It will have a new feed section, featuring a pulsating speed regulator, and a special lubrication pump. All parts of the cutting element have been considerably strengthened.

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A group of improved KKP-1 combines will soon be in the hands of the miners. The reduction units of these machines now have gears made of more durable steel. The combine's frame and the system of mounting the machinery on it have been improved, while its pneumatic motor will be equipped with a speed regulator and muffler.

Designers are doing a great deal of work toward improving the KKM combine. The first models of this machine, put out during 1952, proved highly productive, extracting and loading coal from seams ranging between 0.35 and 0.60 meters in thickness. Although miners pronounce these machines to be excellent and are calling for more, the designers are seeking to effect certain final corrections in their design, striving in particular to render them more durable.

The plant is working to complete by 5 October a machine which will be the first one in the world to extract rock strata from coal seams. Designed by engineers of the Voroshilovgrad Bureau of the Donets Affiliate of the Giprotruglesht Institute, the machine will effect a technological revolution in the extraction of coal from many mines in the Donbass and other coal fields of the USSR.

The USSR coal industry already has at its disposal machines of a type not found in any other country. The Gorlovka Plant's plans for the KRV-1 combine, a machine for separate extraction of coal and rock from seams thicker than 0.6 meters, are already being translated into production.

The plant is launching the production of axial blowers for ventilating mines; they will replace several types of blowers now in use. -- N. Gorokhov, Chief Designer, Gorlovka Plant imeni Kirov

DESIGN DEVELOPMENT MACHINE -- Kiev, Pravda Ukrainy, 1 Nov 52

The Druzhkovka Plant imeni Voroshilov has completed plans for a new combine to be used for development work in hard coal deposits. The cutting mechanism, much reduced in weight, will represent a radical departure from the usual type for such machines.

The plant is now working a new self-propelled coal planer.

BUILD PNEUMATIC MOTORS -- Moscow, Pravda, 17 Aug 52

The Leningrad Pnevmatika Plant has completed some pneumatic motors for coal mining combines. Equipped with silencing mufflers, the motors will be shipped to the Donbass.

PRODUCE ABOVE-PLAN CAR FEEDERS -- Yerevan, Kommunist, 2 Jul 52

The Khar'kov Svet Shakhtera Plant has put out its first consignment of new electric mine-car feeders, all produced in excess of the 6-month plan.

Several conveyers and coal combines, and 4 million rubles' worth of spare parts for them, were also turned out in excess of the 6-month plan.

TURN OUT LOCOMOTIVES, PUMPS -- Moscow, Pravda, 7 Dec 52

The Laptev Coal-Mining Machine Building Plant has in a short period of time turned out many machines and mechanisms, including narrow-gauge electric mine locomotives, centrifugal pumps, and cage parachutes.

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BUILD TUNNELING SHIELD -- Tbilisi, Zarya Vostoka, 26 Aug 52

The Kutaisi Gornyak Plant is building a large tunneling shield which will be the first of its type to be used by coal miners of the Akhaltsikhe Administration of the Georgian SSR.

DEVELOP TEN NEW MACHINES -- Moscow, Izvestiya, 1 Nov 52

The Krivoy Rog Kommunist Plant has developed ten new types of mining machines, including the KS-60 and KP-70 heavy column-mounted hammer drills, and the BS-2 drill which can drill a hole 135 millimeters in diameter to a depth of 50 meters.

The plant has just completed the assembly of the first group of PT-38 hammer drills.

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